

WHAT IS CLAIMED IS:

1        1.        A connector, comprising:  
2                a first connector housing, comprising a first flexible arm member  
3        formed with a hole;  
4                a second connector housing, comprising a projection adapted to be  
5        engaged with the hole in a case where the second connector housing is fitted  
6        with the first connector housing in a first direction; and  
7                a fitting detection member, attached with the first connector housing  
8        such that the first connector housing is movable in the first direction between a  
9        first position and a second position, the fitting detection member comprising a  
10       second flexible arm member adapted to be engaged with the first flexible arm  
11       member to retain the first connector housing at the first position, wherein:  
12               the engagement between the first flexible arm member and the  
13       second flexible arm member is released to allow the first connector housing to  
14       move to the second position, in a case where the first flexible arm member is  
15       flexed when the first connector housing is placed at the first position; and  
16               the engagement between the projection and the hole is released only  
17       in a case where the first flexible arm member is flexed when the first connector  
18       housing is placed at the second position.

1        2.        The connector as set forth in claim 1, wherein:  
2                a rib member is provided on the fitting detection member and adapted  
3        to be abutted against the first flexible arm member to restrict a flexible amount  
4        of the first flexible arm member such an extent that only the engagement

5 between the first flexible arm member and the second flexible arm member, in  
6 a case where the first connector housing is placed at the first position; and  
7 the first flexible arm member is formed with a recess adapted to  
8 receive the rib member to enlarge the flexible amount of the first flexible  
9 member only in a case where the first connector housing is placed at the  
10 second position.